DEPARTMENT OF WR

JUN 2 9 1995

Operations Division 500 North 3rd Street Phoenix, Arizona 85004

OPERATIONS DIV.

M12-0

### WELL DRILLER REPORT

This report should be prepared by the <u>driller</u> in all detail and filed with the Department within 30 day following completion of the well.

1.	Owner Name:_							47		
	Address:		T HUNT!	<i>√≀⊊⊬⊍A</i> ⊕ Citv	F.C.07	RENCE		AZ State		1523 <u>2.                                   </u>
		Otteer		Oily			1	Sunce	L	4
	Driller Name:_	STEWART	BROTH	ERS DRIL	LING	Co.				
	Address:					. "		N M	87	رجه 7
		Street		City				State	Z	ip
t	Location:	4 N/6	9	∕के/फ/	ąγ	1/4	# (2+1	1/4	Sul	¼ 5 <i>€</i>
,,	Town		Range	1 23/ 77	Section		10-acre	^• -	40-acre	160-scre
	20	<b></b> F	B*		24-40	-				
ł.,	Well Registrati	on No. 55	54781	8			(Req	(pired		
:	Permit No						(If iss	ied)		
•	101111111111111111	•	_				(11 165	,		
			DI	ESCRIPTIO	ON OF	WELL				
			_							
i.	Total depth of	hole	510			ft.				
7.	Type of casing	<u> </u>	<u>'S SC</u>	<u>, 80 PVC</u>	<del></del>					
	Diameter and I							$from_{}$	<del></del>	to
),	Method of seal	ling at reduction	n points							
١.	Perforated fron	nto		,from		to		from		to
1.	Size of cuts			Numbe	r of cut	s per foo	ot			
2.	If screen was i	nstalled: Lengtl	h <u>(</u> დი.	ら ft.	Diam	59/16		_in. T	ype <u>0.0%</u> 0	Slot Sch. 80 F
	Method of con	_				•				
		(drille	d, đug, đriv	en, bored, jet	ted, etc)					
4,	Date started	<u>M_A</u>	4				1995			<u>-</u>
		Monti		Day			Year			
5.	Date completes			<i></i>			1995	<u> </u>		
		Monti		Day			Year			
6.	Depth to water		4			ft. (1	f flowing	well,	so state)	
	<b>5</b> 9	<i>5</i>							15	
1.	Describe point		-			_		vel ele	evanon ii	avanabie
	MERS, FEON T	<u>he 702 ap ()</u>	73 MG .	<del></del>			<del></del>			<del></del>
8.	If flowing well	l. state method	of flow re	gulation:						
	<b>.</b>			<u>-</u>						
9.	Remarks:				Г					
									E IN THIS S RECORD	PACE
					1				_	
		<del></del>					tion No. <u>5</u>	47	8/8	
						File No. Received			D	<b>y</b> .
ነኊፑ	≥55-55-10/94 (Rev.)				- 1	Received		The Property	1705 FLV A	y <u></u>
				•	!	Entered	配接音	无联员	D JUL A	. 1 1995

### LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If war is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	55	PROPELY SORTED ALLUVIUM
55	<i>3</i> 50	GILA CONGLOMERATE. PEDDICH BROWN CLAY WITH
		Management de annul
350	510	QUARTZ MONZONITE FORPHURY
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		-

nereby certify that the ntained are true to t	is well was drilled by n the best of my knowled	ne(or under my supervision), and that each and a ige and belief.  Driller Name:	statements herein
		Suces 2067	<u></u>

MONITOR/PIEZOMETER WELL FILING-FEE \$10.00

ARIZONA DEPARTMENT OF WATER RESOURCES OPERATIONS DÍVISION

500 NORTH THIRD STREET

MR-OX

PHOENIX, ARIZONA 85004. (602) 417-2470 NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

MONITOR/PIEZOMETER WE

DEPARTMENTATIVES \$10.

Section § 45-596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well a Notice of Intention to Drill shall be filed with the Department.

1.	WELL LOCATION:	7.	Consulting Firm:BC	10.	Construction will start:
	4 N/S) 9 PW 28		Contact Person: Steve Mellon		February 1995 Month Day Year
	Township Range Section				-
	NW 1/4 SW 1/4 SE 1/4		Phone: 602-222-4445	11.	Period well will remain in
	10 ACRE 40 ACRE 160 ACRE	8.	Purpose of well drilled pursuant to this notice		use3_ Months Years
<b>2</b> .	Position location of the well on the land:		MonitorX	12.	For monitoring wells, is pump equipment to be installed?
	Latitude 33 0 2 50 "		Piezometer		Yes NoX
	Longitude _ [[1] 0 _ 25 : 30 "	9.	If for deepening or modifying, Well Registration Number		(a) If yes, design pump capacity
3.	County: Pinal		55		(b) What use will be made of the water
4.	Owner of the land of wellsite:		Vu		
	Magma Cooper Company	_	· · · · · · · · · · · · · · · · · · ·	_13. _	Drilling firm: Boyles Brothers Drilling C
	Name 7400 N. Oracle Rd., Ste. 200	۱	DO NOT WRITE IN THIS SPACE OFFICE RECORD		Name 6527 W. Northview Ave.
	Address Tucson AZ 85704	-	./	İ	Address
	City State Zip	-	File No. D(4-9)28DCD		Glendale AZ 85301
5.	Lessee of the land of wellsite:		Filed 2-1-95 By ed.		City State Zip
	Name		InputENTERED FER 1 5 1995		DWR License No. 28 Class A-04
		į	DUPLICATE	i	076-386-002
	Address			1	ROC License classification
	City State Zip	- 1	Mailed 2-10-95 By	14.	Is the proposed wellsite within 100 feet
_	0	-	Registration 55- <u>5478/8</u>		of a septic tank system, sewage '
6.	Magma Copper Company		AMATNA Pinal		disposal area, landfill, hazardous waste facility, storage area of hazardous
	Name 7400 N. Oracle Rd., Ste. 162		W/S 28 S/B //		material or petroleum storage areas and tanks?
	Address Tucson AZ 85704	Į			YesNo_X
	Tucson AZ 85704 City State Zip				
				1 <del></del> +	ion P-12-14-816
16.	Proposed method of abandonment of well after	rpn	ojed is completed: According to Regu	<u> </u>	1011 21 42 13 010
17.	Is this well to monitor existing contemination	?	NO Potential contamination	<u> </u>	Please explain:
	-		GENERAL INSTRUCTIONS		
1.	Fill out this form in <b>DUPLICATE</b> and send Y	ЯΤ	H. \$10.00 FEE to 500 NORTH THIRD STI	EE.	I, PHOENIX, AZ 85004
2.	For specific instructions, limitations and cond Must be signed by land owner or lessee.	it (o)	ne, see the reverse side of this form.		
3. 4		. che	Il determine that all information, required on for	n hee	heen submitted. If not the person filing will

Typed or Printed Name

DWitt 55-44 949 (Nev 3

be notified and the drilling, deepening, or modification of the well may not proceed.

understand the conditions set forth on the reverse side of this form.

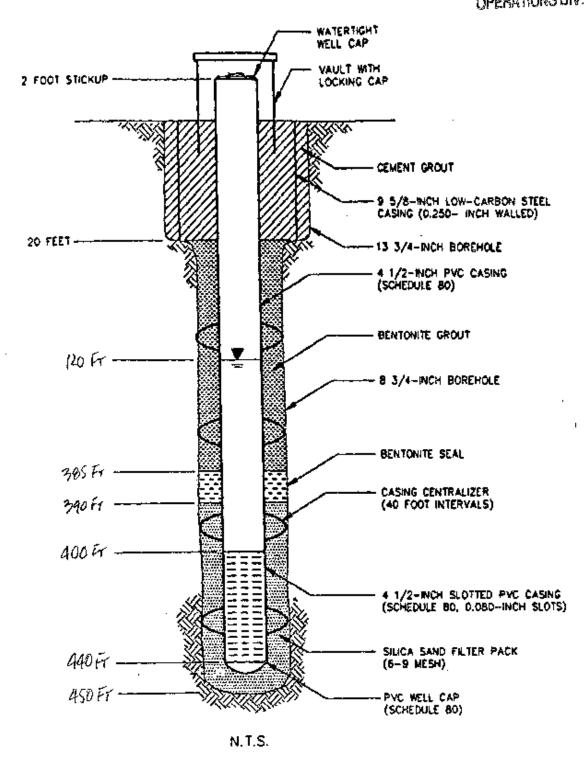
] Land Owne: [ ] Lessee of wellsite

I state that Notice is filed in compliance with Section 4 45-546 and is complete and correct to the best of my knowledge and belief and that 1

18.	If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact?  If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency										
	contact?	ona Department of war	ter nesources, who is the age	псу							
19.	WELL CONSTRUCTION PLAN  a) Drilling method (mud rotary, hollow-stem auger,	etc.) Mud Rotary									
	b) Borehole diameters: 12/3/4 inches from	D feet to 2->	fact								
	834 inches from										
	c) Casing meterials (PVC, steel, hollow-stem auger,										
	material Steel diameter 93/8		feet to 20 feet								
	material Suhd 90 PVC diameter 4										
	d) Method of sealing at reductions										
	e) Annular seal materials (cement, grout, etc.); meth		ed, circulated)								
	material Cement Grout method Tremit										
	material Bentonite Grout method Trenie										
	f) Filter packs (state material):		_ 1001001861								
	material Colorado Silita Sand	from 390	feet to 450 feet								
	material #6-9 Mesh	from	feet to feet								
				,							
	g) Perforations or screen specifications: type	from AGO	_ feet tofeet								
	type		feet to feet								
	h) Method of well development (bail, air lift, surge)			1							
	i) Will surface or conductor casing extend above gra										
20.	Include detailed construction diagram showing expect	ed water depth in feet l	below land surface, and detail	ls c							
	vault, if specified.										
	***										
	CONDIT	HONS									
I.	Construction and abandonment standards for all well-R12-15-816.	s shall be in accordance	with A.A.C. R12-15-811 and								
n.	Drilling of the well shall be completed within one (1)	ear after the date of No	otice.								
III.	A Well Driller Report, is required within 30 days of co to be filed with the Department within 30 days after i			ed							
IV.	Pump equipment <u>may not</u> be installed on a well drille pumped, pumping is limited to the maximum amount <u>may exceed 35 gallons per minute and an annual volu</u>	required for monitor pu	rposes, <u>but in no case</u>								
V.	A.A.C. Rule R12-15-811.H.2, requires that: "A monito cover or at the top of the steel casing. Identification in										
VI.	Special construction standards required pursuant to A	.A.C. Rule R12-15-821;	<del>-</del>								

j. 4.1

FEB 1 1995 OPERATIONS DIV.



#### NOTES:

1. PVC = POLYVINYL CHLORIDE

2. CASING DIMENSIONS ARE OUTSIDE DIAMETER

WELL DESIGN

02

500 N 3RD ST., PHOENIX, AZ. 85004 Telephone (602) 417-2470 Fax (602) 417-2401

February 9, 1995

MAGMA COPPER

PIPE SYMINGTON Governor

RITA P. PEARSON Director

7400 N. ORACLE RD. \$162 TUCSON, AZ. 85704

RE: Registration No. 55-547813 THRU 55-547819

File No. VARIOUS

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

For additional information, you may contact the Operations Division at (602) 542-1581.

Sincerely,

Ellen Kane

Eller Kanl

Groundwater Permit Specialist

3636 N. CENTRAL AVE, 5300 PHOENIX, AZ. 85012

# STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES OPERATIONS DIVISION 15 SOUTH 15TH AVENUE PHOENIX, ARIZONA 85007 602) 542-1581

ENTRY CODE \_\_\_\_55

VARIOUS	547814	THRU	5478J9	
ITEM DESCRIPTION			RATE	AMOUNT
FOR NOI TO DRILL WELLS			\$10.00	\$60.00
				1
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	·			
	;	<u></u>		<del></del>
				\$60.00
	NT NO		TOTAL \$	
	-			
	ITEM DESCRIPTION  FOR NOI TO DRILL WELLS  CK#7531  FEE ACCOUNT	FOR NOI TO DRILL WELLS  CK#7531  FEE ACCOUNT NO.	ITEM DESCRIPTION  FOR NOI TO DRILL WELLS  CK#7531  FEE ACCOUNT NO.	ITEM DESCRIPTION  FOR NOI TO DRILL WELLS  \$10.00  CK#7531  FEE ACCOUNT NO.  TOTAL \$

50)



Operations Division, 500 North Third Street Phoenix, Arizona 85004 Telephone (602) 417-2470

3.	REQUEST TO CHANGE WELL DE	SILLER \$10.00 FEE REQUIRED FOR EACH WELL
	equest must be received by this Departs to the drilling or completion of any v	nent and the Drill Card issued to the <u>new drilling firm</u> rell.
Well R	egistration No. 55- <u>547818</u>	File No. D(4-9)28 deb
	LES BROTHERS DRILLING	STEWART BROTHERS DRILLING CO. New Well Driller
	7 W. NORTHVIEW AVE.  g Address GLENDALE, AZ 85301	P.O. Box 2067 MILAN, NM 87021 Mailing Address
ADWF	28 License Number	ADWR License Number
	SS A - 04 - 074-386-002 License Number	- <u>A-0+ Lc. ≠ 075379</u> R.O.C. License Number
	OHN. T. KLINE or Printed Name of Well Owner S	A Slice 5/25/95  Igitature of Well Owner Date
	ee charge for well ownership and rive June 30, 1994.	reissue of drill card is authorized by R12-15-15I,
		ENTERED JUN 2 0 1995
DWR	-55-71-8/94(Rev)	
		JUN 6 1995

Operations Division, 500 North Third Street Phoenix, Arizona 85004 Telephone (602) 417-2470

#### REQUEST FORM TO CHANGE WELL INFORMATION OWNERSHIP \* DRILLER

Please complete the appropriate section of this request form and return to the above address with applicable fee. <u>NOTE</u>: A.R.S.§45-593.C. requires that the Department be notified of change of well ownership and that the new owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within thirty (30) days after changes take place.

SAVE THIS FORM TO REPORT FUTURE CHANGES IN OWNERSHIP, <u>CHANGES IN ADDRESS</u>, OR CHANGE IN WELL DATA SUCH AS PUMP CAPACITY, CORRECTION OF LEGAL DESCRIPTION, CHANGE OF WELL DRILLER AND AMENDING INFORMATION PREVIOUSLY FILED.

Ī.	CHANGE OF WE	LL INFORMATION		NO FE	E REQUIRED
	If the location of the ach well.	proposed well changes a	after drilling authority has be	en issued, attach a	\$10.00 reissue
Well Reg	gistration No. 55		File No		(If known)
/We req	uest the following w	ell information be chang	ged:		
		<u> </u>			
Date	Signs	iture of Current Well (	Owner_		
				<del>.</del> .	
<u>2.</u>	STATEMENT OF	CHANGE OF WELL	OWNERSHIP	\$10.00 FEE	REQUIRED
	_V4V4	¼; Section	am the Previous/New Ow		
0 acre	40 acre 160 ac	τ¢			
Well Reg	istration No. 55	· · · · · · · · · · · · · · · · · · ·	File No		(If known)
PRINT (	Previous Owner's Na	arne	PRINT New O	wner's Name	<u>.                                    </u>
Mailing A	Address	<del></del>	Mailing Addres	<u> </u>	
City	State	Zip	City	State	Zip
Felephon	e		Telephone		_ <del></del> .
Date	Signatur	re of Previous/New We	eli Owner		

DWR-55-71-8/94(Rev)

## ARIZONA DEPARTMENT OF WATER RESOURCES OPERATIONS DIVISION

REISSUE

500 North Third Street Phoenix, Arizona 85004-3903 Phone (602) 417-2470

**DUPLICATE** 

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO. 66-547816 THRU 55-647818

AUTHORIZED DRILLER:

STEWART BROTHERS DRILLING

LICENSE NO. 314

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

Owner of Well(s)

MAGMA COPPER CO.

7400 N. ORACLE RD., \$162

TUCSON

AZ 85704

The well(s) is/are to be located in:

NW 1/4 SW 1/4

SW1/4 SE 1/4

Section 28

Township 4.0 SOUTH

Range

9.0 EAST

10 асте 40 асте 160 асте

NUMBER OF WELLS IN PROJECT:

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON JAN 31ST, 1996

THE DRILLER SHALL FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING.



CHIEF, OPERATIONS DIVISION

15 South 15th Avenue Phoenix, Arizona 85007

Registration No	<u> 56 - 547818</u>
File No. 1×4	9)28dcb

#### COMPLETION REPORT

- Per A.R.S. § 45-600, the Completion Report is to be filed with the Department within 30 days after installation of pump. equipment by the registered well owner.
- Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
- 3. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.
- 4. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

LOCATION OF THE Y	WELL:					
4 N/S) Township	9 (B/W Range	28 Section	NW 10-acre	1/4 <u>Su</u> 40-a	1/4	5 <i>€</i> 1/4 160-acre
EOUIPMENT INSTALLEI	) <u>:</u>					
Kind of pump	GRANDFOS Sc Turbine, centrifug		TURBINE	-		<del></del> .
Kind of powerEle	ECECTRIC extric, natural gas, gasoli	ne, etc.	H.P. Rati	ng of Motor	/-5	·
Pumping Capacity	5-14 GPM Gallons per minut		Date pump	installed:		
WELL TEST:						
Test pumping capacity	/3 GPM Gallons per minut		Date V	Well Tested:	8/16/95	
Method of Discharge Measur		FLOW ALE				
Static Groundwater Level	129.62	ft.	Drawdown_	17.	83	ft.
Total Pumping Lift			Drawdown_	(Flowing \	,	lbs.
I HEREBY CERTIFY that the a	bove statements are true to	the best of my kn	owledge and be	elief. ENTE	red SEP ?	1 1995
Sep- 14	C,19 <u>9</u>	<u></u>			PPER COMP	
Date	11 21	20 1995		1605 East Hi	Owner or Agent unt Highway	
: DWR-55-56-7/91 (Rev.)	RECO	ORDS MGT	City		AZ ate	85232 <b>Zip</b>
			_			-